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PTO/SB/21 (6/98)  
Approved for use through 9/30/2000. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# TRANSMITTAL FORM

(To be used for all correspondence after initial filing)

Application No.	09/944,832	Patent No. 6,973,536 B1
Filing Date	31 August 2001	Issue Date: 6 December 2005
First Named Inventor	Lawrence Jacobs	
Group Art Unit	2189	
Examiner Name	Choi, Woo H.	
Attorney Docket No.	OR01-03301	

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JAN 09 2006

OFFICE OF PETITIONS

## ENCLOSURES (check all that apply)

- |  |   |   |
|--|---|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><input checked="" type="checkbox"/> Fee attached<br><input type="checkbox"/> Amendment/Response<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavit/Declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Response to Missing Parts Notice/Incomplete Application<br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment Papers for an application<br><input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input checked="" type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney by Assignee, with Revocation of Former Powers<br><input type="checkbox"/> Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Small Entity Statement<br><input type="checkbox"/> Request for Refund | <input type="checkbox"/> After-Allowance Communication to Group<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)<br><input checked="" type="checkbox"/> Additional Enclosure(s):<br><input checked="" type="checkbox"/> Return Receipt Postcard<br><input checked="" type="checkbox"/> Check for \$ 230<br><input checked="" type="checkbox"/> Certificate of Correction<br><input checked="" type="checkbox"/> Copy of Notice of Recordation of Assignment document<br><input checked="" type="checkbox"/> Copy of first page of issued patent number US 6,907,433, B2 |
|--|---|---|

Remarks:

## SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

Name	Edward J. Grundler (Registration No. 47,615)	Date	27 December 2005
Signature		Telephone	530-759-1663
Address	2820 Fifth Street, Davis, CA 95616	Facsimile	530-759-1665

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U. S. Postal Service as ☐ Express Mail (No. US) or

☒ First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313 on: 27 December 2005

Type or Printed Name	Jeannie Camara	Signature	
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# FREE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

## Complete if Known

Application Number	09/944,832	Patent No. 6,973,536 B1
Filing Date	1 August 2001	Issue Date: 6 December 2005
First Named Inventor	Lawrence Jacobs	
Examiner Name	Choi, Woo H.	
Group Art Unit	2189	
Attorney Docket No.	OR01-03301	

TOTAL AMOUNT OF PAYMENT (\$ 230.00)

## METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:

Deposit Account Number: 50-1003  
Deposit Account Name: Park, Vaughan & Fleming LLP

- ☒ Charge any Additional Fee Required Under 37 CFR 1.16 and 1.17  
☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed:  
☒ Check ☐ Credit card ☐ Money ☐ Other Order

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Code (\$)	Small Entity Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee	
1002 330	2002 165	Design filing fee	
1003 520	2003 260	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$ 0)

### 2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
33	-33** = 00	X	
6	-6** = 0	X	
Multiple Dependent			

\*\*or number previously paid, if greater; For Reissues, see below

Large Entity Code (\$)	Small Entity Code (\$)	Fee Description	Fee Paid
1202 18	2202 9	Claims in excess of 20	
1201 84	2201 42	Independent claims in excess of 3	
1203 280	2203 140	Multiple dependent claim	
1204 84	2204 42	** Reissue independent claims over original patent	
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$ 0)

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Code (\$)	Small Entity Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet.	
1053 130	1053 130	Non-English specification	
1812 2520	1812 2520	Request for <i>ex parte</i> reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1840*	1805 1840*	Requesting publication of SIR after Examiner action	
1251 110	2255 55	Extension for reply within first month	
1252 410	2252 205	Extension for reply within second month	
1253 930	2253 465	Extension for reply within third month	
1254 1450	2354 725	Extension for reply within fourth month	
1255 1970	2255 985	Extension for reply within fifth month	
1401 320	2401 160	Notice of Appeal	
1402 320	2402 160	Filing a brief in support of an appeal	
1403 280	2403 140	Request for oral hearing	
1451 1510	1451 1510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1300	2453 650	Petition to revive - unintentional	
1501 1300	2501 650	Utility issue fee (or reissue)	
1502 470	2502 235	Design issue fee	
1503 630	2503 315	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	130
1807 50	1807 50	Processing fee for provisional applications	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))	
1801 750	2801 375	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	
Other fee (specify) 1811: Certificate of Correction			100

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 230)

## SUBMITTED BY

Name (Print/Type)	Edward J. Grundler	Registration No. (Attorney/Agent)	47,615	Telephone	530-759-1663
Signature		Date	27 December 2005		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information & authorization on PTO-2038.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor : Lawrence Jacobs  
Application No. : 09/944,832  
Filed : 31 August 2001  
Patent No. : 6,973,536 B1  
Issued : 6 December 2005  
Docket : OR01-03301  
Title : SELF-ADAPTIVE HYBRID CACHE  
Group/Art Unit : 2189  
Examiner : Choi, Woo H.

PETITION TO CORRECT ASSIGNEE

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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OFFICE OF PETITIONS

Sir:

Applicant hereby petitions for the correction of the Assignee name and residence data as submitted with the issue fee transmittal for U.S. Patent No. 6,973,536 B1. The correct name and residence data are as follows (and match the information recorded at reel/frame 013737/0276 on 19 February 2003):

**Oracle International Corporation**  
**Redwood Shores, CA**

Enclosed is a Certificate of Correction regarding this correction. Payment is enclosed in the amount of \$230 for this petition and the Certificate of Correction.


01/04/2006 HLE333 00000042 6973536

01 FC:1811 100.00 OP  
~~02 FC:1464~~ ~~130.00 OP~~

Date: 27 December 2005

By:

Respectfully submitted,

  
Edward J. Grundler 47.615  
(Registration No.)

**Park, Vaughan & Fleming LLP**  
2820 Fifth Street  
Davis, CA 95616  
(530) 759-1663: voice  
(530) 759-1665: facsimile  
Email: edward@parklegal.com

01/04/2006 HLE333 00000048 09944832  
01 FC:1464 130.00 OP

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(Also Form PTO-1050)

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,973,536 B1

DATED : 6 December 2005

INVENTOR(S): Lawrence Jacobs, et al.

It is certified that an error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

Assignee: **Oracle International Corporation**  
Redwood Shores, CA (US)

MAILING ADDRESS OF SENDER:

Edward J. Grundler  
Park, Vaughan & Fleming LLP  
2820 Fifth Street  
Davis, CA 95616

PATENT NO: 6,973,536 B1

Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Alexandria, VA 22313. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Alexandria, VA 22313.



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

JUNE 17, 2003

A. RICHARD PARK  
PARK, VAUGHAN & FLEMING LLP  
508 SECOND ST., SUITE 201  
DAVIS, CA 95616

PTAS

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov

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JUN 21 2003



\*102368048A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/19/2003

REEL/FRAME: 013737/0276  
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
ORACLE CORPORATION

DOC DATE: 02/06/2003

ASSIGNEE:  
ORACLE INTERNATIONAL CORPORATION  
500 ORACLE PARKWAY  
REDWOOD SHORES, CALIFORNIA 94065

SERIAL NUMBER: 09138029  
PATENT NUMBER: 6584453

FILING DATE: 08/21/1998  
ISSUE DATE: 06/24/2003

SERIAL NUMBER: 09322889  
PATENT NUMBER:

FILING DATE: 05/29/1999  
ISSUE DATE:

SERIAL NUMBER: 09518279  
PATENT NUMBER:

FILING DATE: 03/03/2000  
ISSUE DATE:

SERIAL NUMBER: 09524424  
PATENT NUMBER:

FILING DATE: 03/11/2000  
ISSUE DATE:

013737/0276 PAGE 2

SERIAL NUMBER: 09516661	FILING DATE: 03/01/2000
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09556608	FILING DATE: 04/21/2000
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09539266	FILING DATE: 03/30/2000
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09544709	FILING DATE: 04/06/2000
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SERIAL NUMBER: 09550725	FILING DATE: 04/17/2000
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09643318	FILING DATE: 08/21/2000
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SERIAL NUMBER: 09649850	FILING DATE: 08/29/2000
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SERIAL NUMBER: 09607823	FILING DATE: 06/30/2000
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SERIAL NUMBER: 09658349	FILING DATE: 09/11/2000
PATENT NUMBER: 6581055	ISSUE DATE: 06/17/2003
SERIAL NUMBER: 09559171	FILING DATE: 04/26/2000
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SERIAL NUMBER: 09577220	FILING DATE: 05/23/2000
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SERIAL NUMBER: 09569514	FILING DATE: 05/12/2000
PATENT NUMBER: 6523032	ISSUE DATE: 02/18/2003
SERIAL NUMBER: 09658131	FILING DATE: 09/13/2000
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SERIAL NUMBER: 09680599	FILING DATE: 10/06/2000
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09728891	FILING DATE: 12/02/2000
PATENT NUMBER:	ISSUE DATE:

013737/0276 PAGE 3

SERIAL NUMBER: 09829532	FILING DATE: 04/09/2001
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09728802	FILING DATE: 12/02/2000
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09769927	FILING DATE: 01/24/2001
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SERIAL NUMBER: 09834342	FILING DATE: 04/13/2001
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SERIAL NUMBER: 09677441	FILING DATE: 09/29/2000
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PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09748026	FILING DATE: 12/21/2000
PATENT NUMBER: 6516317	ISSUE DATE: 02/04/2003
SERIAL NUMBER: 09741691	FILING DATE: 12/15/2000
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09711096	FILING DATE: 11/09/2000
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 10144535	FILING DATE: 05/10/2002
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SERIAL NUMBER: 09922617	FILING DATE: 08/04/2001
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SERIAL NUMBER: 09923102	FILING DATE: 08/04/2001
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SERIAL NUMBER: 09923103	FILING DATE: 08/04/2001
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SERIAL NUMBER: 09923072	FILING DATE: 08/04/2001
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SERIAL NUMBER: 09873150	FILING DATE: 06/01/2001
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09872551	FILING DATE: 05/31/2001
PATENT NUMBER:	ISSUE DATE:

SERIAL NUMBER: 09921961  
PATENT NUMBER:

FILING DATE: 08/02/2001  
ISSUE DATE:

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FILING DATE: 08/31/2001  
ISSUE DATE:

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FILING DATE: 05/31/2001  
ISSUE DATE:

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ISSUE DATE:

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ISSUE DATE:

SERIAL NUMBER: 09957736  
PATENT NUMBER:

FILING DATE: 09/20/2001  
ISSUE DATE:

SERIAL NUMBER: 10044008  
PATENT NUMBER:

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ISSUE DATE:

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FILING DATE: 12/19/2001  
ISSUE DATE:

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FILING DATE: 12/19/2001  
ISSUE DATE:

SERIAL NUMBER: 10102320  
PATENT NUMBER:

FILING DATE: 03/19/2002  
ISSUE DATE:

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PATENT NUMBER:

FILING DATE: 04/12/2002  
ISSUE DATE:

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FILING DATE: 02/08/2002  
ISSUE DATE:

SERIAL NUMBER: 10072089  
PATENT NUMBER:

FILING DATE: 02/08/2002  
ISSUE DATE:

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PATENT NUMBER:

FILING DATE: 01/10/2002  
ISSUE DATE:

SERIAL NUMBER: 10106729  
PATENT NUMBER:

FILING DATE: 03/26/2002  
ISSUE DATE:

SERIAL NUMBER: 10228247  
PATENT NUMBER:

FILING DATE: 08/26/2002  
ISSUE DATE:

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FILING DATE: 08/26/2002  
ISSUE DATE:

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PATENT NUMBER:

FILING DATE: 01/30/2002  
ISSUE DATE:



013737/0276 PAGE 5

SERIAL NUMBER: 10197760  
PATENT NUMBER:

FILING DATE: 07/17/2002  
ISSUE DATE:

SERIAL NUMBER: 10054574  
PATENT NUMBER:

FILING DATE: 01/22/2002  
ISSUE DATE:

SERIAL NUMBER: 10074955  
PATENT NUMBER:

FILING DATE: 02/12/2002  
ISSUE DATE:

SERIAL NUMBER: 10160524  
PATENT NUMBER:

FILING DATE: 06/03/2002  
ISSUE DATE:

SERIAL NUMBER: 10197738  
PATENT NUMBER:

FILING DATE: 07/17/2002  
ISSUE DATE:

SERIAL NUMBER: 10158969  
PATENT NUMBER:

FILING DATE: 05/31/2002  
ISSUE DATE:

SERIAL NUMBER: 10241732  
PATENT NUMBER:

FILING DATE: 09/10/2002  
ISSUE DATE:

SERIAL NUMBER: 10282170  
PATENT NUMBER:

FILING DATE: 10/28/2002  
ISSUE DATE:

PAULA MCCRAY, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

02-20-2003



102368048

FORM PTO-1595

1-31-92

# RECORDATION FORM COVER SHEET PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): **02.19.03**  
 Oracle Corporation  
 500 Oracle Parkway  
 Redwood Shores, CA 94065

2. Name and address of receiving party(ies):

Name: Oracle International Corporation  
 Street Address: 500 Oracle Parkway  
 City: State: Zip: Redwood Shores, CA 94065

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Additional name(s) & address(es) attached?

☒ Yes ☐ No

Execution Date: February 6, 2003

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s): Attached See Schedule A

Patent No.(s):

Additional numbers attached? ☒ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: A. Richard Park (Reg. No. 41,241)  
 Park, Vaughan & Fleming LLP  
 508 Second Street, Suite 201  
 Davis, CA 95616

6. Total number of applications and patents involved: [66]

7. Total fee (37 CFR 3.41) .....\$2,640.00

☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number:

## DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

A. Richard Park

Name of Person Signing

Signature

February 13, 2003

Date

Total number of pages including cover sheet, attachments and document: [15]

02/20/2003 6TOM11 00000059 09138029

01 FC:8021

2640.00 DP

**Schedule A**  
**Patent Applications**

No	Docket No.	Appl. No.	Filing Date	Title
1	OID-1997-056-02	09/138,029	8/21/1998	REVERSIBLE MOVE/MERGE OPERATION FOR A GENERAL LEDGER
2	OID-1999-019-01	09/322,889	5/29/1999	METHOD AND APPARATUS FOR PROVIDING INFORMATION TO SUPPORT FLOW MANUFACTURING
3	OID-1999-039-01	09/518,279	3/3/2000	TIER-INDEPENDENT DATA ACCESS FRAMEWORK
4	OID-1999-086-01	09/524,424	3/11/2000	SYSTEM AND METHOD FOR REDUCING NETWORK TRAFFIC BETWEEN TWO COMPUTING DEVICES
5	OID-1999-133-01	09/516,661	3/1/2000	METHOD AND APPARATUS FOR PROCESSING SELF-SERVICE MOVE REQUESTS
6	OID-1999-134-01	09/556,608	4/21/2000	METHOD AND APPARATUS FOR FACILITATING SPACE AND LEASE ADMINISTRATION
7	OID-1999-174-01	09/539,266	3/30/2000	METHOD AND APPARATUS FOR SHARING A SECURE CONNECTION BETWEEN A CLIENT AND MULTIPLE SERVERS
8	OID-1999-175-01	09/544,709	4/6/2000	FACILITATING SINGLE SIGN-ON BY USING AUTHENTICATED CODE TO ACCESS A PASSWORD STORE
9	OID-1999-176-01	09/550,725	4/17/2000	METHOD AND APPARATUS FOR FACILITATING SINGLE SIGN ON THROUGH REDIRECTION TO A LOGIN SERVER
10	OID-1999-184-01	09/643,318	8/21/2000	METHOD AND APPARATUS FOR CONFIGURING EXTENSIBLE APPLICATION PROGRAMMING INTERFACES
11	OID-1999-186-01	09/649,850	8/29/2000	PERFORMANCE-BASED CACHING
12	OID-1999-187-01	09/650,498	8/29/2000	MULTI-TIERED CACHING SYSTEM
13	OID-1999-190-01	09/607,823	6/30/2000	SIDE-BAND KEY EXCHANGE FOR SECURING AN APPLICATION
14	OID-2000-007-01	09/658,349	9/11/2000	QUERY OPTIMIZATION WITH SWITCH PREDICATES
15	OID-2000-008-01	09/559,171	4/26/2000	SELECTIVELY AUDITING ACCESSES TO ROWS WITHIN A RELATIONAL DATABASE AT A DATABASE SERVER
16	OID-2000-011-01	09/559,206	4/26/2000	REFORMING QUERIES TO SELECTIVELY AUDIT ACCESSES TO ROWS WITHIN A RELATIONAL DATABASE
17	OID-2000-017-01	09/577,220	5/23/2000	METHOD AND APPARATUS FOR SHARING A SECURITY CONTEXT BETWEEN DIFFERENT SESSIONS ON A DATABASE SERVER
18	OID-2000-032-01	09/680,600	10/6/2000	METHOD AND APPARATUS FOR FACILITATING SPACE AND LEASE ADMINISTRATION
19	OID-2000-037-01	09/569,514	5/12/2000	SERVICING DATABASE REQUESTS USING READ-ONLY DATABASE SERVERS COUPLED TO A MASTER DATABASE SERVER
20	OID-2000-038-01	09/658,131	9/13/2000	METHOD AND APPARATUS FOR ENCRYPTION PROGRAMMING INTERFACE
21	OID-2000-038-02	09/680,599	10/6/2000	METHOD AND APPARATUS FOR AUTOMATIC DATABASE ENCRYPTION
22	OID-2000-043-01	09/728,891	12/2/2000	SYSTEM AND METHOD FOR SERVING PRE-GENERATED PRESENTATION VIEWS OF REQUESTED DATA
23	OID-2000-079-01	09/829,532	4/9/2001	METHOD AND APPARATUS FOR SHARING CACHED DATA
24	OID-2000-084-01	09/728,802	12/2/2000	SYSTEM AND METHOD FOR DYNAMICALLY PRESENTING A LIST OF ITEMS

No	Docket No.	Appl. No.	Filing Date	Title
25	OID-2000-112-01	09/769,927	1/24/2001	SYSTEM AND METHOD FOR PRODUCING A VIRTUAL ONLINE BOOK
26	OID-2000-121-01	09/834,342	4/13/2001	SYSTEM AND METHOD FOR PREDICTING CACHE PERFORMANCE
27	OID-2000-137-01	09/677,441	9/29/2000	METHOD AND APPARATUS FOR CONTROLLING WORKFLOW THROUGH ELECTRONIC MAIL
28	OID-2000-140-01	09/741,680	12/15/2000	METHOD AND APPARATUS FOR MANAGEMENT OF ENCRYPTED DATA THROUGH ROLE SEPARATION
29	OID-2000-141-01	09/748,026	12/21/2000	METHOD AND APPARATUS FOR FACILITATING COMPARTMENTALIZED DATABASE USER MANAGEMENT
30	OID-2000-142-01	09/741,691	12/15/2000	METHOD AND APPARATUS FOR DELEGATING DIGITAL SIGNATURES TO A SIGNATURE SERVER
31	OID-2000-146-01	09/711,096	11/9/2000	METHOD AND APPARATUS FOR FACILITATING BILLING TRANSACTIONS THROUGH ELECTRONIC MAIL
32	OID-2000-180-01	10/144,535	5/10/2002	SYSTEM AND METHOD FOR TESTING THE COMPATIBILITY OF A COMPUTER APPLICATION WITH A FOREIGN CHARACTER SET
33	OID-2001-004-01	09/922,617	8/4/2001	AUTOMATIC INVALIDATION OF CACHED DATA
34	OID-2001-005-01	09/923,102	8/4/2001	SYSTEM AND METHOD FOR SERVING ONE SET OF CACHED DATA FOR DIFFERING DATA REQUESTS
35	OID-2001-006-01	09/923,103	8/4/2001	SYSTEM AND METHOD FOR CUSTOMIZING CACHED DATA
36	OID-2001-007-01	09/923,072	8/4/2001	SYSTEM AND METHOD FOR SESSION-AWARE CACHING
37	OID-2001-008-01	09/923,073	8/4/2001	MULTI-VERSION DATA CACHING
38	OID-2001-009-01	09/932,524	8/17/2001	PARTIAL PAGE CACHING
39	OID-2001-023-01	09/873,150	6/1/2001	METHOD AND APPARATUS FOR IDENTIFYING A DATA SEQUENCE RELATED TO A GIVEN DATA SEQUENCE
40	OID-2001-011-01	09/872,551	5/31/2001	METHOD AND APPARATUS FOR SERVER-SIDE RULE PROCESSING OF ELECTRONIC MAIL IN A DATABASE ENVIRONMENT
41	OID-2001-027-01	09/921,961	8/2/2001	METHOD AND APPARATUS FOR SECURE ELECTRONIC COMMERCE
42	OID-2001-033-01	09/944,832	8/31/2001	SELF-ADAPTIVE HYBRID CACHE
43	OID-2001-042-01	09/872,552	5/31/2001	EFFICIENT COLLATION ELEMENT STRUCTURE FOR HANDLING LARGE NUMBERS OF CHARACTERS
44	OID-2001-044-01	10/144,563	5/10/2002	SYSTEM AND METHOD FOR AUTO-EVOLVABLE REMOTE PROCEDURE CALL STRUCTURES
45	OID-2001-049-01	09/863,146	5/22/2001	METHOD AND APPARATUS FOR PROVIDING A SERVICE THAT DYNAMICALLY GENERATES VOICE GRAMMARS
46	OID-2001-068-01	09/957,736	9/20/2001	METHOD AND APPARATUS FOR AUTOMATIC NOTIFICATION OF DATABASE EVENTS
47	OID-2001-074-01	10/044,008	1/11/2002	METHOD AND APPARATUS FOR SECURE MESSAGE QUEUING
48	OID-2001-075-01	10/027,100	12/19/2001	METHOD AND APPARATUS TO FACILITATE ACCESS AND PROPAGATION OF MESSAGES IN COMMUNICATION QUEUES USING A PUBLIC NETWORK
49	OID-2001-077-01	10/040,188	12/19/2001	SYSTEM AND METHOD FOR ENHANCING PROGRAM DATA
50	OID-2001-109-01	10/102,320	3/19/2002	METHOD AND APPARATUS TO FACILITATE INTERACTION MANAGEMENT BETWEEN LOOSELY COUPLED APPLICATIONS

No	Docket No.	Appl. No.	Filing Date	Title
51	OID-2001-110-01	10/121,354	4/12/2002	SYSTEM AND METHOD FOR EVALUATING THE INTEGRITY OF A SET OF FILES
52	OID-2001-130-01	10/071,415	2/8/2002	SYSTEM AND METHOD FOR FACILITATING A DISTRIBUTED SEARCH OF LOCAL AND REMOTE SYSTEMS
53	OID-2001-158-01	10/072,089	2/8/2002	METHOD AND APPARATUS TO FACILITATE A GLOBAL TIMEOUT IN A DISTRIBUTED COMPUTING ENVIRONMENT
54	OID-2001-159-01	10/043,800	1/10/2002	METHOD AND APPARATUS TO FACILITATE INDIVIDUAL AND GLOBAL LOCKOUTS TO NETWORK APPLICATIONS
55	OID-2001-172-01	10/106,729	3/26/2002	METHOD AND APPARATUS FOR PROVIDING A TAX SERVICE THAT IS CONFIGURABLE FOR LOCAL JURISDICTIONS
56	OID-2001-185-01	10/228,247	8/26/2002	SYSTEM AND METHOD FOR REAL-TIME CO-BROWSING
57	OID-2001-187-01	10/227,766	8/26/2002	SYSTEM AND METHOD FOR REAL-TIME ANNOTATION OF A CO-BROWSED DOCUMENT
58	OID-2001-212-01	10/060,476	1/30/2002	METHOD AND APPARATUS TO FACILITATE TRANSACTIONAL CONSISTENCY FOR REFERENCES IN OBJECT-RELATIONAL DATABASES
59	OID-2001-225-01	10/197,760	7/17/2002	SYSTEM AND METHOD FOR CACHING DATA FOR A MOBILE APPLICATION
60	OID-2001-237-01	10/054,574	1/22/2002	METHOD AND APPARATUS FOR FACILITATING LOW-COST AND SCALABLE DIGITAL IDENTIFICATION AUTHENTICATION
61	OID-2001-238-01	10/074,955	2/12/2002	METHOD AND APPARATUS TO FACILITATE SINGLE SIGN-ON SERVICES FOR EXTERNAL APPLICATIONS
62	OID-2001-247-01	10/160,524	6/3/2002	METHOD AND APPARATUS TO FACILITATE SINGLE SIGN-ON SERVICES IN A HOSTING ENVIRONMENT
63	OID-2001-256-01	10/197,738	7/17/2002	INTELLIGENT CLIENT AGENT FOR A HYBRID ONLINE/OFFLINE APPLICATION
64	OID-2002-001-01	10/158,969	5/31/2002	SYSTEM AND METHOD FOR CONVERTING AN ELECTRONICALLY STORED DOCUMENT
65	OID-2002-009-01	10/241,732	9/10/2002	SYSTEM AND METHOD FOR APPLYING A PARTIAL PAGE CHANGE
66	OID-2002-115-01	10/282,170	10/28/2002	METHOD AND APPARATUS FOR UPDATING A SECONDARY FORM ELEMENT FROM A PRIMARY FORM ELEMENT

IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

PATENT ASSIGNMENT

WHEREAS, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, **Oracle Corporation**, a corporation of Delaware, with a place of business at 500 Oracle Parkway, Redwood Shores, California 94065, hereinafter referred to as "**Assignor**," has sold, assigned, transferred and set over, unto **Oracle International Corporation (OIC)**, a corporation of California, with a place of business at 500 Oracle Parkway, Redwood Shores, California 94065, hereinafter referred to as "**Assignee**," its successors, legal representatives and assigns, **Assignor's** entire right, title and interest in, to, and under the issued patents and provisional and non-provisional pending applications listed on the attached Schedule A, as well as any divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for inventions embodied by said pending applications in any country or countries foreign to the United States, and all Letters Patent which may be granted for said inventions embodied by said pending applications in any country or countries foreign to the United States and all extensions, renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of said pending applications in the United States which are created by any law, treaty or international convention; and **Assignor** hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty is to issue patents on any such applications as aforesaid, to issue all Letters Patent for said inventions to **Oracle International Corporation**, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND **Assignor** does hereby covenant that it had full right to convey the entire interest herein assigned, and that **Assignor** has not executed, and will not execute, any agreement in conflict herewith.

AND **Assignor** does further hereby covenant and agree that it will communicate to said **Assignee**, its successors, legal representatives and assigns, any facts known to it respecting said pending applications, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything reasonably necessary to aid said **Assignee**, its successors, legal representatives and assigns, to obtain and enforce any attendant rights in all countries.

IN WITNESS WHEREOF, Oracle Corporation has caused this instrument to be signed by a duly authorized corporate officer and its corporate seal to be affixed, as of this 6<sup>th</sup> day of February, 2003.

Oracle Corporation

By:



Name: Daniel Cooperman

Title: Senior Vice President and General Counsel

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8 - FIRST CLASS MAIL**

I hereby certify that this correspondence is being deposited postage prepaid, with the United States Postal Service as "First Class Mail" in an envelope addressed to the U.S. Patent and Trademark Office, Assignment Division, Box Assignments, CG-4, 1213 Jefferson Davis Hwy, Suite 320, Washington, DC 20231 on February 13, 2003.

By: Wendy Dial (Type Name) Wendy Dial (Signature)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**REQUEST FOR RECORDATION OF ASSIGNMENT DOCUMENTS**

U.S. Patent and Trademark Office  
Assignment Division  
Box Assignments, CG-4  
1213 Jefferson Davis Hwy, Suite 320  
Washington, DC 20231

Sir:

Transmitted herewith are the following papers:

- ☒ [x] Recordation Cover Sheet FORM PTO-1595;
- ☒ [x] Attachment listing patent application nos. to be recorded;
- ☒ [x] Check for recordation fee \$2,640.00; and
- ☒ [x] Assignment of Patent Rights.

Issuance of a Notice of Recordation of Assignment Document is respectfully requested.

Respectfully submitted,

Dated: February 13, 2003

By: A. Richard Park  
A. Richard Park  
Registration No. 41,241

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